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ENGINEERING STATEMENT

**PETITION FOR RULEMAKING TO
AMEND SECTION 73.202 OF THE RULES
AND REGULATIONS FOR THE FEDERAL
COMMUNICATIONS COMMISSION**

**TO ALLOT CHANNEL 283A
FOR USE AT KAHLOTUS, WASHINGTON**

XANA HD SOLUTIONS, LLC

JANUARY 2019

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List ABCDE
DET 19-1

Engineering Statement

This Engineering Statement has been prepared on behalf of Xana HD Solutions, LLC, in support of a Petition for Rulemaking to amend §73.202 of the Commission's Rules to allot Channel 283A for use at Kahlotus, Washington, as that community's first local service. Kahlotus is an incorporated city in Franklin County, and is listed in the 2010 Census.

The attached spacing study is included to demonstrate that Channel 283A can be allotted for use at Kahlotus, with a site restriction west of the community at N46-38-00 x W118-38-10, in order to avoid a short-spacing to KHTR 282C1 Pullman. This site is just 6 km from central Kahlotus. The standard Class A 70 dBu contour distance is 16.2 km, and so this site will provide 70 dBu service to 100% of Kahlotus.

As required, a Form 301 application is also being filed for Channel 283A at Kahlotus.

Hatfield & Dawson Consulting Engineers

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SEARCH PARAMETERS

FM Database Date: 190102

Channel: 283A 104.5 MHz
 Latitude: 46 38 0
 Longitude: 118 38 10
 Safety Zone: 32 km
 Job Title: KAHLOTUS 283A ALLOT

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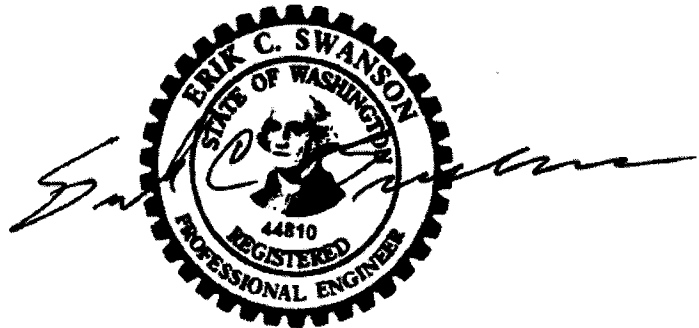
Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
K282AA LIC	KENNEWICK, ETC. (OR) WA	BRFT-840723ND	282D 104.3	0.274 525.0	46-06-15 119-07-46	212.9	70.01 0.00	0 TRANS
KHTR LIC	PULLMAN WA	BLH-870112KB	282C1 104.3	24.000 509.0	46-48-40 116-54-55	80.8	133.04 0.04	133 CLOSE
KNHK-FM LIC	NEWPORT WA	BMLH-41222ABI	283C1 104.5	87.000 319.0	48-23-09 117-14-15	27.8	221.51 21.51	200 CLEAR
KTZB-LP LIC	PASCO WA	BLL-70907ABI	283L1 104.5	0.100 -0.2	46-20-37 119-18-37	238.3	60.96 0.00	0 LPFM
KTZB-LP CP	PASCO WA	BPL-80420AAT	283L1 104.5	0.100 -12.2	46-20-37 119-18-37	238.3	60.96 0.00	0 LPFM
KNHK-FM1 CP	SPOKANE WA	BPFTB-70717ABX	283D 104.5	9.000 0.0	47-41-52 117-31-07	35.1	145.55 0.00	0 BOOST
K283BU LIC	WALLA WALLA WA	BLFT-30701ACR	283D 104.5	0.250 127.0	46-04-02 118-24-05	163.9	65.47 0.00	0 TRANS
K283BX LIC	WAPATO WA	BLFT-50309AFO	283D 104.5	0.250 299.0	46-31-55 120-27-14	266.0	139.79 0.00	0 TRANS
KCMB LIC	BAKER OR	BLH-880719KB	284C 104.7	100.000 532.0	45-07-26 117-46-48	158.1	180.46 15.46	165 CLEAR

===== END OF FM SPACING STUDY FOR CHANNEL 283 =====

Statement of Engineer

This Engineering Statement supporting a Petition for Rulemaking to revise the Table of Allotments at Kahlotus, Washington, has been prepared by me or under my direct supervision. All representations herein are true to the best of my knowledge. I am a consulting engineer in the firm of Hatfield & Dawson Consulting Engineers and am Registered as a Professional Engineer in the States of Washington and Colorado.

Signed this 25th day of January, 2019



Erik C. Swanson, P.E.

Hatfield & Dawson Consulting Engineers

